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ABSTRACT

The bibliography lists approximately 100 citations of documents discussing the ways in which toys are used with handicapped children. It is explained that the materials listed cover uses ranging from simple play and recreation to more remediation and therapy oriented approaches. Citations are organized alphabetically by author according to their principal category of exceptionality: aurally impaired/deaf, disadvantaged, emotionally disturbed, learning disabled, mentally retarded, physically handicapped, visually impaired/blind, and general or unspecified handicaps. A brief annotation, including a listing of the age group to which it refers, is also included. (CL)

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Toys and Handicapped Children:

An Annotated Bibliography

June 1980

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This bibliography attempts to provide a comprehensive list of articles, books, pamphlets, etc. discussing or describing the many different ways in which toys are used with handicapped children. The materials listed cover a wide array of uses ranging from simple play and recreation, through many forms of remediation and therapy to experimental studies assessing such things as reinforcement and/or teaching potential of play materials. Each entry is categorized in terms of the principal or general category of exceptionality to which it refers. A brief annotation (including a listing of the age group to which it refers) is also included. No effort was made to differentiate between works dealing with applied (i.e., clinical, therapeutic or educational) versus more experimental use of toys. Where appropriate, articles are cross-referenced.

The bibliography is derived largely from searches of both ERIC and Psychological Abstracts data files (up to March 1980). Included are also many citations not found in these sources.

It is intended that the bibliography will serve as an aid to students, parents, teachers, toy librarians, researchers and practitioners interested in finding alternative and potentially productive means of using toys to aid exceptional children.

The interested reader is directed to other works by the author on toys in general (Jeffery, 1978; 1979a; 1980b; 1980c) and on Toy Libraries (1977¹; 1980a)

¹ This paper is available through Resources Clearinghouse, Faculty of Education, Box 90, Arts and Education Building, Memorial University, St. John's, Newfoundland, A1B 3X8, \$.90).

Jeffery, G. H.

"Toy Lending Libraries: An Annotated Bibliography," 1977, Department of Educational Psychology, Memorial University, St. John's, Newfoundland.

"Why Do They Play with the Boxes" A video tape prepared by Educational Television, Memorial University, St. John's, Newfoundland, 1978 (48 minutes).

"Shopping for Toys: The Assessment of a Toy's Value." Paper presented July 4, 1979 at the Canadian Home Economics Association Conference, St. John's, Newfoundland, Canada.

"Careful toy selection: Why it's important." In J. Von Levetzow (Ed.) The Many Uses of Toy Lending. Toronto: Canadian Association of Toy Libraries, 1980, p. 50-53 (a).

"Toys as tools in working with young children." In T. H. Brown (Ed.) Counselling: Challenge of the Eighties. St. John's, Newfoundland: T. H. Brown. (To be released, Fall, 1980) (b).

"Influencing children's recreation, play and learning." Paper presented June 30, 1980 and published in the proceedings of the National Conference of the Canadian Association of Physical Health, Education and Recreation, St. John's, Newfoundland (c).

Annotated Bibliography

1. Aurally Impaired/Deaf

Author	Age/Grade ² Level	Description
Berlund, J. B., 1973	N	Describes Alaskan educational program for hearing impaired children, included a list of recommended toys.
Brown, Durcilla, 1972	U/G	Handbook to accompany the I.T.P.A. Describes remedial and developmental activities for improvement of perceptual motor and psychomotor skills.
Elwood, Patricia C., 1975	1	A guide for the design of a parent-infant program. Offers suggestions for material selection.
Ferguson, Sue <u>et al.</u> , 1971	N/K	Provides information on material selection and usage. Brief toy and manufacturer list included.
Haney, Mary, 1974	K/E	Article describes ways two speech teachers try to stimulate language learning through use of colorful bean bags.
Hasenstab, Mary S., 1976	I	Comparative study of toy preference in hearing and hearing impaired infants.
Kelley, Clare A., 1971	K/E	Article offers suggestion for speech therapist to use in auditory perception training based on games.
Marshall, Lynne & Branott, John F., 1974		Article describes an empirical study using a toy pistol to investigate temporary threshold shifts.
Sachs, David A., 1971	N	Publication describes program designed to increase visual perception in deaf children.

² All Age/Grade Levels described, where appropriate, as follows:

- A = Adult
- E = Elementary
- I = Infant
- K = Kindergarten
- N = Nursery/Preschool
- P = Primary
- UE = Upper Elementary
- UG = Unspecified/General
- 1-3 etc. = Ages discussed in article

2. Disadvantaged

Author	Age/Grade Level	Description
Badger, Earladeen, 1968	1-2	Publication describes mother-child centered program designed to teach mothers how to interact with their children.
Butler, Annie L., 1972	N/P	Booklet of ten articles on educational headstarts for children. Selection of toys and games is one of the covered topics.
<u>Classroom on wheels</u> , 1972	N	Publication describes a mobile classroom which travels to the children and parents. Program for children designed for developmental skills.
Deutsch, Martin, 1963	K/P	Article discusses the educational deficits of the disadvantaged child upon school entrance and the need for early intervention.
<u>Disadvantaged children and their first school experience</u> , 1970	N	Publication of data collected as part of six year longitudinal study designed to assess the impact of Head Start programs.
Earhart, Eileen M., 1970	N	Paper describes an attention training curricula designed for use in head start programs.
Hart, Betty and Risley, Todd, 1974	N	Article describes a study which investigated the spontaneous speech patterns of 12 disadvantaged children during free-play.
Hess, Robert and Shipman, Virginia, 1967	N	Publication describes an investigation of how lower and middle class mothers teach their children. Also discusses effects of different teaching styles.
Hirsch, Jay G. and others, 1969	N	Paper discusses a study on pre-entrance rating of readiness in preschool children.
Holmes, Douglas and Holmes, Monica B., 1965	N	Evaluation of two associated head start programs.
Hurst, Charles G. Jr. and Jones, Wallace L., 1967	N	Paper describes research into spontaneous speech of underprivileged children.
Kolb, Doris H. and Etzel, Barbara C., 1967	N	Paper describes empirical study of 'Errorless discrimination in preschool children.'
Leonhardt, Teresa Martin, 1969	P	Publication of an empirical study which attempted to change the attitude and behavior of children toward well liked toys.

Disadvantaged (continued)

Author	Age/Grade Level	Description
Levenstein, Phyllis and Sunley, Robert, 1968 (a)	N	Article describes empirical study the goal of which was to increase the verbal IQ of disadvantaged children.
Levenstein, Phyllis and Sunley, Robert, 1968 (b)	N	Describes progress in home-based mother-child intervention program. Toy demonstrators go into home to show mothers how to play with their children.
Levenstein, Phyllis, 1971	N	Report reviews the home-based mother-child intervention program.
Levenstein, Phyllis, 1975 (a)	N	Paper provides description and evaluation of the mother-child home-based intervention program.
Levenstein, Phyllis, 1975 (b)	N	Document describes the mother-child home program for disadvantaged children.
McNamara, J. Regis, 1968	N	Article describes use of behavior therapy in classroom.
Pierce, Charles H. and Risley, Todd R., 1970	N	Paper reports on a study of children's play and how it is affected by reinforcement and instruction.
<u>Project Head Start, Report on the Pre-kindergarten Program 1965, 1965</u>	N	Report looks at head start program in Chicago, its goals, curriculum, personnel and health program.
Sherman, James A., 1967	N	Empirical study of the development of matching abstractions. Toys used as reward.
Staats, Arthur W., 1968	N	Empirical study of cognitive training procedures used to develop readiness skills in disadvantaged preschoolers.

3. Emotionally Disturbed (Including Autistic)

Author	Age/Grade Level	Description
Black, Maureen, 1975		Article describes observational study of play behavior in autistic children.
DeMeyer, Marian K. et al., 1967	2-7	Study compares (using a maternal questionnaire) the toy-play behavior of autistic and normal children.

Emotionally Disturbed (continued)

Author	Age/Grade Level	Description
Dewey, Margert A., 1973	UG	Report gives toy and activity preferences based on over 200 questionnaire responses from parents of autistic children.
Koegel, Robert L., 1974	6, 8	Article describes a study which attempted to increase spontaneous play in two autistic children by suppressing self-stimulatory behavior.
Schiffer, Mortimer, 1969	U/G	Book discusses role of group play therapy in treating the emotionally disturbed child.
Schopler, Eric and Reichler, Robert J., 1976	1-12	Publication on the Psychoeducational Profile, a test which uses toys, in assessment of autistic and psychotic children.
Toole, Elizabeth, 1977	6-8	Article presents study on "the effects of unconscious maternal conflict on the abilities of clinic children to resolve conflict in structured doll situation."
Turner, Ruth M. and Claman, Lawrance, 1970	UE	Article describes public school class for emotionally disturbed children.
Weiner, Barbara <u>et al.</u> ,		Article is a review of data on comparison of toy-play behavior of autistic, mentally retarded and normal children.

4. Learning Disabled (Including Language and Speech Disorders)

Author	Age/Grade Level	Description
Driscoll, Mary C., 1975		Article describes the development of electro-mechanical toys to promote adaptive learning.
<u>End of Project Report</u> <u>Volume IV, Center Instructional Material, 1968</u>	U/G	Publication is a report on an inservice diagnostic center for learning disabled children. Also included is a list of toys, games and puzzles for these children.
Evans, Joyce, 1974 (a)	4	Publication describes a project which attempted to identify Mexican American children with learning disabilities and to develop appropriate learning materials.

Learning Disabled (continued)

Author	Age/Grade Level	Description
Evans Joyce, 1974 (b)	U/G	Paper discusses importance of early identification of learning disabilities and describes a program which attempts this.
James, S. L., 1978	5	Experiment discusses differences in various features of the speech of language disordered children as a function of familiar, unfamiliar and no toy present situations.
Scott, Mari Gumm., 1974	K	Publication discusses the kindergarten Home Learning Kit which provides toys and learning materials to disadvantaged children. Materials are aimed at promoting reading readiness.
Speiss, Madeleine, 1970	K/P	Booklet describes the Reinforced Readiness Requisites program designed to give readiness skills to Mexican American and Indian children. Toys used as reward in program.
Wiig, Elizabeth H. and Semel, Eleanor M., 1975	12-16	Article describes a study in language deficits of the learning disabled.

5. Mentally Retarded

Author	Age/Grade Level	Description
Abelson, A. Geoffrey, 1976	N	Article discusses a survey and observational study of preschool readiness to mainstream handicapped children. Looked at availability of appropriate materials.
Bartholomew, Robert and Meyer, Bonnie	P/E	Publication describes research conducted to develop and evaluate learning materials that aid in learning specific skills.
Bijou, Sidney W. and others 1968		Publication discusses empirical study in which behavior theory was applied to teaching of reading, writing and arithmetic to retarded children, using toys as reinforcement.
Blackburn, Derek	A	Booklet offers ideas on encouraging play in M.R. adults. Problems often encountered and names of toy suppliers are given.

Mentally Retarded (continued)

Author	Age/Grade Level	Description
Blanton, Elsie, 1971	I-11	A guide offering many practical suggestions for training M.R. children in self help skills.
Boe, R. B., 1977	8-19	Effects of presence or absence of toys, varied amount of space and variations in contingency of reinforcement were assessed relative to amount of aggressive behavior. Changes in toy availability had no effect.
Carlson, Bernice and Genglend, David, 1961	U/G	Book directs parents and play leaders towards games, materials and music useful for work with children of six years mental age or less.
Currie, Catherine, 1969		Article on evaluating the functioning of M.R. children using toys and play activities.
Dittman, Laura L., 1959	U/G	A manual for parents of M.R. children. It includes a list of suggested toys and activities.
Durand, Barbara, 1975	5	Report on a study into the effects of a "tailored" developmental nursing program on a 5 year old Down's Syndrome child.
Fallstrom, K. and Aronson, M., 1972		Article presents a study into the effects of early psychological training of M.R. children.
Favell, James E. and Cannon, Preston R., 1977	11 to 26 years	Article presents a study on the effects of toys on the behavior of the mentally retarded.
Flavell, Judith E., 1973	8 to 14 years	Article describes study in the effects of toy play on the reduction of stereotypes.
Francis, Sarah H., 1971	N	Article looks at the effects of home vs institution rearing on the behavioral development of normal and Down's Syndrome children.
Goda, Sidney, 1969		Articles give guidelines and procedures for a language program for non-speaking retarded children. The use of toys in this program is described.
Gottwald, Peter, 1972	N	Article describes several operant conditioning experiments with M.R. children to study learning procedures. Toys used in study.
Hopper, Christine, and Wambold, Clark, 1978	V6	Article discusses ways of improving the independent play of M.R. children.

Mentally Retarded (Continued)

Author	Age/Grade Level	Description
Junker, Karen Stensland, 1971	V6	Article describes a toy library designed for M.R. children, offering suggestions for play activities.
Larsen, Lawrence A. and Bricker, William A., 1968	V6	A manual for parents and teachers of M.R. children, offering suggestions on a wide range of activities.
<u>Recreation Handbook for State and Local Unit Recreation Committees, 1973</u>	VC	Handbook provides guidelines for developing recreation programs. Includes extensive book list.
Ross, Dorothea M., 1965	V6	Report on a study into techniques for promoting Audio-visual learning. Toys and games served as rewards.
Twardosz, Sandra and Sajwaji, Thomas, 1972	N	Article describes procedure to increase sitting in a hyperactive retarded boy. Procedures also included ways of increasing the use of toys by the child.
Van Der Kooij, Rimmert	7-11	Discussion observation of toy selection and play of 38 mentally retarded children. Found children preferred "environmental" materials and vehicles over classroom materials.
Wehman, Paul, 1976 (a)	N-A	Article discusses the selection of play materials for the mentally handicapped.
Wehman, Paul, 1976 (b)	V6	Article discusses the effects of environmental conditions on leisure time activity. Discusses how toys can serve as a means of structuring environment.
Wehman, Paul, 1978	16,18,23	Study compares the effects of toy proximity, modelling and instruction plus modelling on the leisure activity of 3 retardates. Each approach raised level of independent play; however, modelling plus instruction was most effective.
Weiner, E. A. and Weiner, B. J., 1974		Article discusses the differentiation of retarded and normal children through toy-play analysis.
Weiner, Barbara <u>et al</u> , 1969		See emotionally disabled.

6. Physically Handicapped

Author	Age/Grade Level	Description
Alpha Chi Omega Toy Book	UG	Book gives patterns and directions for making 38 self help toys for cerebral palsied and other handicapped children.
Hanesian, Helen, <u>et al</u> , 1973	N	Article discusses a study of response patterns and subsequent teaching style with brain injured and physically handicapped children.
Howell, Michelle <u>et al</u> , 1973	U/G	Publication gives information on games etc. for enhancing perceptual motor development in orthopedically handicapped children. Gives a toy list.
McCann, Cairbre, <u>et al</u> 1966	VG	Report on a study of adaptive electronic communication devices for severely disabled children.

7. Visually Impaired/Blind

Author	Age/Grade Level	Description
<u>A plan for Itinerant Educational Consultation services for preschool visually handicapped children, 1972</u>	N	Paper examines a program designed for preschool visually handicapped.
Brown, Durcilla, 1972		Handbook to accompany the ITPA, describes remedial and developmental activities for perceptual motor and psychomotor skills.
Bryan, Dorothy, 1972	N	Guide for parents of preschool visually handicapped children. One area covered is the child's needs in toys and play activities.
Burlington, Dorothy, 1968	U/G	Article talks about toys beneficial to a blind child's development. It also speaks of the importance of play.
Byrne, Susan, 1974	K/P/E	Article describes a play-learning mobile unit for sighted and blind school-age children.
Fraiberg, Selma, 1971	N	Article describes the factors which intensify the separation crisis for the blind child and his mother.

Visually Impaired/Blind (continued)

Author	Age/Grade Level	Description
Fulker, Wilber and Fulker, Mary, 1968	UG	A manual for teaching the blind.
Gutherie, S., 1979	N	Article presents criteria for selecting toys suitable for visually impaired children. Five suitable educational toys are described and a list of toy manufacturers is included.
<u>Methods and Materials in the education of the Visually Handicapped, 1972</u>		Selected papers covering the methods and materials used in educating the visually handicapped child.
Silver, Ruth, 1975	U/G	Article discusses the use of toys with multiply-handicapped visually impaired children to enhance auditory awareness.
Sokolow, Anne and Urwin, Cathy, 1976	I	Article describes a play mobile which provides a stimulating environment and promotes the development of cognitive and motor skills.
Tait, Perla, 1972 (S)	4-9	Article describes a study which observed blind and normal children's play behavior in controlled play situations.
Wills, Doris M., 1968		Article attempts to give reasons for the tendency on behalf of the blind child to regress to simpler play activities. It also discusses the problem of finding meaningful toys for the blind.
Zimmerman, Ruth, 1974	N	Document looks at a preschool for visually handicap, its educational goals and curriculum. Also included are lists of toys, records, books and pamphlets.

8. General or Unspecified Handicap

Autor	Age/Grade Level	Description
<u>Alpha Chi Omega Toy Book, 1967</u>		A book comprised of a collection of homemade self help toys.
Bair, Anne G., 1976	VG	Paper describes an independent toy play curriculum for young handicapped children.
Brinning, Dorothy, <u>et al</u> , 1969		Guide for parents. It details home activities and gives sources of toys and games.
Buist, Charlotte and Schulman, Jerome L., 1969.		Book gives extensive list of toys and games for children with educational handicaps.
Donahue, Michael J., 1973 (a)		Professional Guide to Parent/Child Home Stimulation Program.
Donahue, Michael J., 1973 (b)		Parent Guide to Parent/Child Home Stimulation Program.
Dunst, Carl J., 1973	I-3	A Guide to the early educational treatment of handicapped infants. Offers an evaluation of appropriate toys and materials.
<u>Early Childhood Education Info-Pak 3, Selected Readings,</u> 1973	N/K/P	Selected readings in area of early childhood education
<u>Early Intervention for Handicapped Children through programs of Physical Education and Recreation, 1976</u>		Document discusses role of physical education and recreation in early intervention for handicapped children.
<u>Guidelines for Toy Libraries for the Handicapped, 1977</u>		Booklet overviews and offers guidelines for aims, materials, services, premises, funding and staffing of a toy library for handicapped of any age.
Herzka, H. S. and Binswanger, R., 1976		Article discusses toy selection and interpretation for normal and handicapped children.
Hilton, Vickey E., 1974		Handbook for parents and teachers on the creative use of materials found in the home. Includes art, recipes, games & toys.
Johnson, Shirley A., 1978	U/G	Article proposes an alternative to the typical classroom. A description of a toy library plus information on the toys available and their uses are included.

General or Unspecified Handicap (continued)

Author	Age/Grade Level	Description
Karnes, Merle B., 1977	3-8	Document describes 50 learning games that can be made by parents and teachers.
Kutac, Ethel M., 1977	N	A manual for teachers and parents which describes 24 easily made instructional toys.
Lear, 1977	UG	Book contains many excellent suggestions for making toys designed to help overcome handicaps. Lists of books, associations, suppliers, etc. included.
Moorehead, Caroline, 1971		Article describes instructional toys for handicapped children.
Norris, Jill, 1974	UG	Booklet deals with the play needs of handicapped children and offers many practical tips.
Pryor, Colin, 1977	UG	Article describes the toy library concept, in particular the Survey Place Toy Library in Toronto which makes toys available to handicapped children.
Siedschlaw, Betty, 1976		Document offers an extensive bibliography of toys and games for institutionalized children.
Smith, Donna, 1973		Document presents the Motor-Academic Perceptual skill development checklist.
Thorum, Arden R., 1976		Book contains information on instructional materials for handicapped children. It offers a list of manufacturers (600) of toys and games.
<u>Toys and other Things for Children by Parents</u> (undated)	U/G	A Manual describing toys and activities used by parents of handicapped children.
Van Etten, Carlene, 1974		An annotated bibliography of instructional materials and an explanation of how these materials can be used for maximum benefit to the child.
Vannier, Maryhelen, 1977	UG	Book presents a wide variety of physical and play opportunities for the handicapped, a section on teaching methods, and appendixes listing associations, films and equipment are included.
Zimmerman, Lyndall D. and Calovini, Gloria, 1971		Article discusses education in terms of normal children with reference to the handicapped child.

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